



Focus Occupation: **First-Line Supervisors of Production and Operating Workers (51-1011)**

Focus occupation: First-Line Supervisors of Production and Operating Workers

Employment and Growth	790/ 2.5%
Ave. Monthly Wage	\$6,439
Education/Experience	Postsecondary non-degree award/1 to 5 years

Advance FROM Focus Occupation



Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Petroleum Engineers (17-2171)	7	547/ 10.5%	BA	72
General and Operations Managers (11-1021)	6	3,735/ 6.1%	AA/1-5 yrs	76
Industrial Production Managers (11-3051)	5	65/ 8.3%	BA/1-5 yrs	85
Materials Engineers (17-2131)	5	66/ 11.9%	BA	70
Industrial Engineers (17-2112)	4	28/ 7.7%	BA	80
Logisticians (13-1081)	3	121/ 17.5%	BA/1-5 yrs	70
Food Scientists and Technologists (19-1012)	2	n/a	BA	70
Occupational Health and Safety Specialists (29-9011)	2	232/ 8.4%	BA	70
First-Line Supervisors of Mechanics, Installers, and Repairers  (49-1011)	1	789/ 9.3%	HS/1-5 yrs	78
Geological and Petroleum Technicians  (19-4041)	1	939/ 8.7%	AA	72
Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)	1	388/ 1.3%	HS	79
Power Plant Operators (51-8013)	1	420/ 6.3%	HS	79

Transfer TO and FROM Focus Occupation

Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Chemical Plant and System Operators (51-8091)	0	n/a	HS	75
Gas Plant Operators (51-8092)	0	130/ 10.2%	HS	77

Advance TO Focus Occupation

Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
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Stationary Engineers and Boiler Operators (51-8021)	-1	83/ 13.7%	HS	78
Industrial Engineering Technicians (17-3026)	-2	58/ 11.5%	AA	75
Plant and System Operators, All Other  (51-8099)	-2	184/ 10.2%	HS	70
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)	-3	n/a	HS	75
Tool and Die Makers (51-4111)	-3	n/a	HS	75
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)	-4	n/a	HS	80
Chemical Equipment Operators and Tenders (51-9011)	-4	n/a	HS	74
Water and Wastewater Treatment Plant and System Operators (51-8031)	-4	650/ 10.7%	HS	78
Layout Workers, Metal and Plastic (51-4192)	-5	n/a	HS	74
Machinists (51-4041)	-5	195/ 4.8%	HS	77
Metal-Refining Furnace Operators and Tenders (51-4051)	-5	n/a	HS	74
Painters, Transportation Equipment (51-9122)	-5	59/ 1.7%	HS	71
Patternmakers, Metal and Plastic (51-4062)	-5	n/a	HS	75
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders (51-9012)	-5	53/ 23.3%	HS	74
Welders, Cutters, Solderers, and Brazers  (51-4121)	-5	751/ 10.3%	HS/under 1 yr	73
Cabinetmakers and Bench Carpenters (51-7011)	-6	67/ 19.6%	HS	77
Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)	-6	n/a	HS	76
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021)	-6	93/ 16.3%	HS	76
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)	-6	44/ 10.0%	HS	75
Engine and Other Machine Assemblers (51-2031)	-6	n/a	HS	80
Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)	-6	n/a	HS	74
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders (51-9051)	-6	n/a	HS	74
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)	-6	n/a	HS	75
Inspectors, Testers, Sorters, Samplers, and Weighers (51-9061)	-6	614/ 6.6%	HS	71
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)	-6	n/a	HS	75
Metal Workers and Plastic Workers, All Other (51-4199)	-6	n/a	HS	77
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4035)	-6	n/a	HS	74

Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)	-6	39/ 2.6%	HS	74
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4081)	-6	n/a	HS	75
Paper Goods Machine Setters, Operators, and Tenders (51-9196)	-6	n/a	HS	72
Pourers and Casters, Metal (51-4052)	-6	n/a	HS	74
Production Workers, All Other (51-9199)	-6	526/ 8.0%	HS	70
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023)	-6	n/a	HS	75
Semiconductor Processors (51-9141)	-6	n/a	AA	74
Structural Metal Fabricators and Fitters (51-2041)	-6	99/ 10.0%	HS	75
Adhesive Bonding Machine Operators and Tenders (51-9191)	-7	n/a	HS	74
Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032)	-7	57/-1.7%	HS	77
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)	-7	31/ 10.7%	HS	75
Electrical and Electronic Equipment Assemblers (51-2022)	-7	n/a	HS	75
Electromechanical Equipment Assemblers (51-2023)	-7	n/a	HS	74
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic (51-4021)	-7	n/a	HS	75
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)	-7	n/a	HS	75
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders (51-9041)	-7	n/a	HS	75
Fiberglass Laminators and Fabricators (51-2091)	-7	32/ 10.3%	HS	74
Foundry Mold and Coremakers (51-4071)	-7	n/a	HS	75
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4033)	-7	n/a	HS	74
Job Printers (51-5021)	-7	n/a	HS	75
Molders, Shapers, and Casters, Except Metal and Plastic (51-9195)	-7	n/a	HS	75
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)	-7	n/a	HS	75
Team Assemblers (51-2092)	-7	n/a	HS	80
Tire Builders (51-9197)	-7	n/a	HS	74
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders (51-9192)	-8	n/a	Any	74
Cutters and Trimmers, Hand (51-9031)	-8	n/a	Any	71
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders (51-3091)	-8	n/a	Any	74
Food Batchmakers (51-3092)	-8	369/ 1.4%	HS/under 1 yr	70

Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)	-8	n/a	HS	74
Packaging and Filling Machine Operators and Tenders (51-9111)	-8	94/ 1.1%	HS	75
Painting, Coating, and Decorating Workers (51-9123)	-8	n/a	HS	74
Sawing Machine Setters, Operators, and Tenders, Wood (51-7041)	-8	38/ 0.0%	HS	76
Textile Knitting and Weaving Machine Setters, Operators, and Tenders (51-6063)	-8	n/a	HS	72
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders (51-6064)	-8	n/a	HS	74
Woodworking Machine Setters, Operators, and Tenders, Except Sawing (51-7042)	-8	171/ 14.0%	HS	77
Helpers--Production Workers (51-9198)	-9	91/ 13.8%	Any	80
Laundry and Dry-Cleaning Workers (51-6011)	-10	362/-4.0%	Any	76
Meat, Poultry, and Fish Cutters and Trimmers (51-3022)	-10	6,843/ 1.6%	Any	85
Sewing Machine Operators (51-6031)	-10	52/-8.8%	Any	71

Important note: A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.